

108,097

PATENT



SPECIFICATION

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COMPLETE SPECIFICATION.

Electric Fire or Radiator.

I, HERBERT HENRY BERRY, of The Switch House, 86, Newman Street, London, W., Electrical Engineer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 This invention relates to electric fires, convectors or radiators of that type in which the heat from an electric light element or more than one is employed to rotate one or more fans and cause a flickering or other moving and preferably multi-coloured light.

The present invention is applicable to existing fire-places of ordinary type 10 or may be applied to interiors or bodies specially made for the purpose. It is in part applicable to Patents Nos. 2546/15 and 104,533 granted to me and others. According to my present invention I employ two or more, say two, revolving fans and their accessories to produce the flickering light and as by relatively setting the angle of deflection of the blades oppositely and at 15 different angles, I rotate the fans at different speeds and in opposite directions and by placing the electric lamps in such relative positions that the flickers from them intermingle, I obtain an improved flickering effect which is increasingly elusive and always varying. In one form of this invention and in combination with this arrangement I employ a wire or other guard to 20 which I attach or fix "fire members" such as specially treated logs of wood, pieces of cork, coal, coke or cinders or the like.

These fire members are more or less treated with reflective, iridescent or other bright or glittering matter of any suitable kind such as paint, tinfoil, glazed paper etc. and may be more or less coated with ash or cinder-dust as by 25 varnishing the parts so as to be treated and sprinkling dust upon them.

The fire members are mounted upon the guard above referred to and in conjunction with coloured translucent material through which the flickering light will shine the parts being so arranged as to cover the lamps and their parts leaving the light to shine through the transparent portions and upon the fire 30 members from which it is reflected in multiple manner, thus producing a very realistic fire effect.

It is desirable to render the parts incombustible so that a lighted match or cigar thrown inadvertently upon the fire will not cause a conflagration. The method of fire-proofing may be as desired, for example:—I may treat the 35 material to the following solution:—

1 litre of water.

Borax—60 grammes.

Boric acid—50 grammes.

All the above mentioned parts may be so mounted in or upon the guard that

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